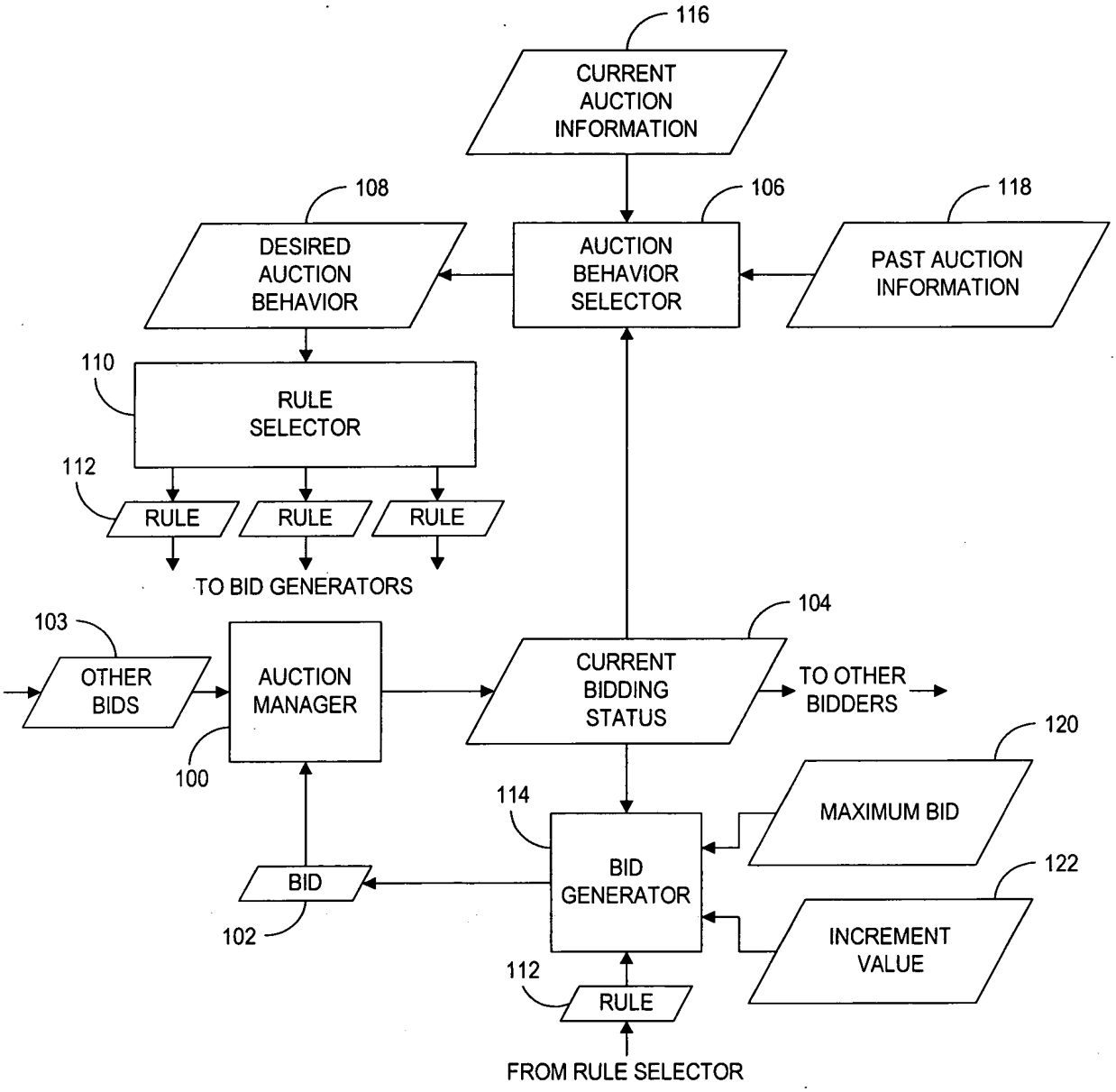

116
CURRENT AUCTION INFORMATION
108
DESIRED AUCTION BEHAVIOR
106
AUCTION BEHAVIOR SELECTOR
118
PAST AUCTION INFORMATION
110
RULE SELECTOR
112
RULE
RULE
RULE
TO BID GENERATORS
103
OTHER BIDS
AUCTION MANAGER
100
104
CURRENT BIDDING STATUS
TO OTHER BIDDERS
120
MAXIMUM BID
114
BID GENERATOR
122
INCREMENT VALUE
BID
102
112
RULE
FROM RULE SELECTOR

FIG. 1

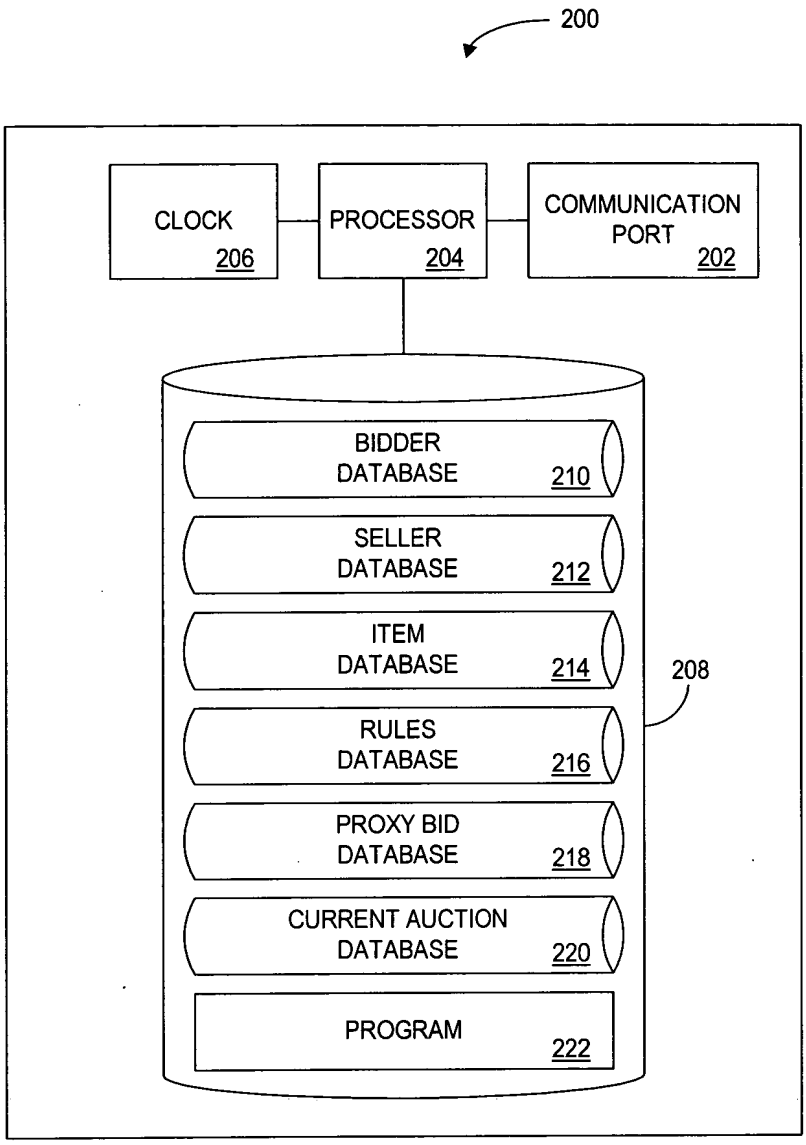
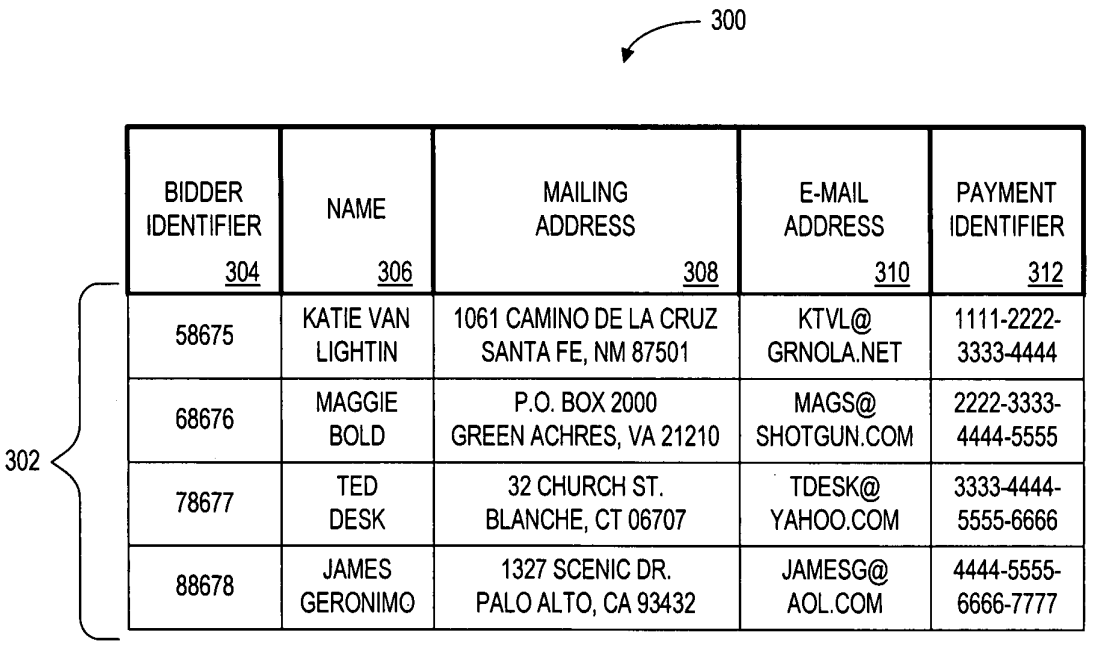

200
CLOCK
206
PROCESSOR
204
COMMUNICATION
PORT
202
BIDDER
DATABASE
210
SELLER
DATABASE
212
ITEM
DATABASE
214
208
RULES
DATABASE
216
PROXY BID
DATABASE
218
CURRENT AUCTION
DATABASE
220
PROGRAM
222

FIG. 2

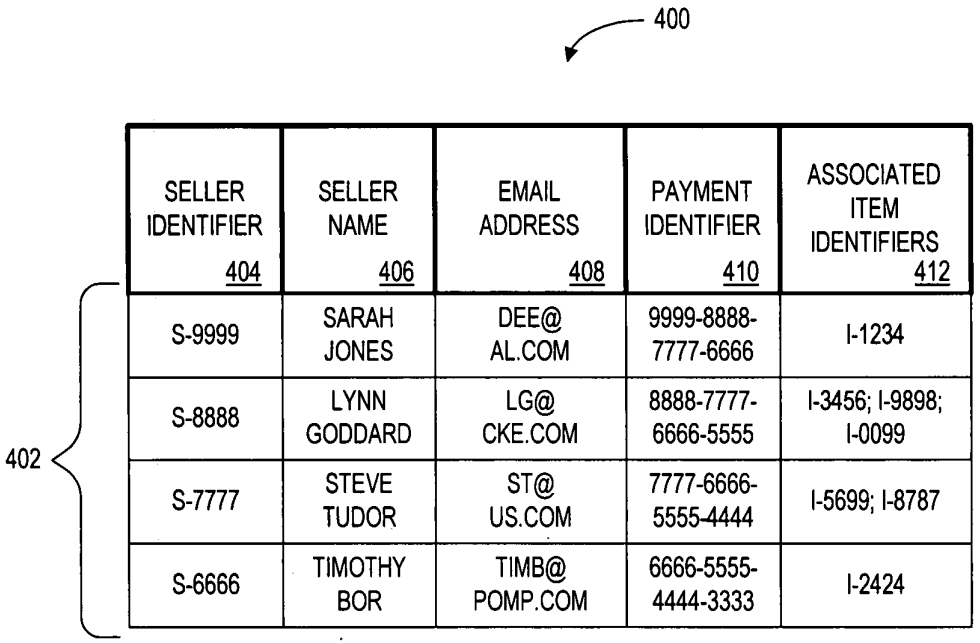
DOCKET ES9E2560



BIDDER IDENTIFIER 304	NAME 306	MAILING ADDRESS 308	E-MAIL ADDRESS 310	PAYMENT IDENTIFIER 312
58675	KATIE VAN LIGHTIN	1061 CAMINO DE LA CRUZ SANTA FE, NM 87501	KTVL@ GRNOLA.NET	1111-2222-3333-4444
68676	MAGGIE BOLD	P.O. BOX 2000 GREEN ACHRES, VA 21210	MAGS@ SHOTGUN.COM	2222-3333-4444-5555
78677	TED DESK	32 CHURCH ST. BLANCHE, CT 06707	TDESK@ YAHOO.COM	3333-4444-5555-6666
88678	JAMES GERONIMO	1327 SCENIC DR. PALO ALTO, CA 93432	JAMESG@ AOL.COM	4444-5555-6666-7777

FIG. 3

DOCKET E59E2560



SELLER IDENTIFIER 404	SELLER NAME 406	EMAIL ADDRESS 408	PAYMENT IDENTIFIER 410	ASSOCIATED ITEM IDENTIFIERS 412
S-9999	SARAH JONES	DEE@ AL.COM	9999-8888-7777-6666	I-1234
S-8888	LYNN GODDARD	LG@ CKE.COM	8888-7777-6666-5555	I-3456; I-9898; I-0099
S-7777	STEVE TUDOR	ST@ US.COM	7777-6666-5555-4444	I-5699; I-8787
S-6666	TIMOTHY BOR	TIMB@ POMP.COM	6666-5555-4444-3333	I-2424

FIG. 4

502

ITEM IDENTIFIER 504	ITEM DESCRIPTION 506	ITEM CATEGORY 508	SELLING PRICE 510	BEHAVIOR IDENTIFIER 512
I-1234	PLATINUM & PEARL DINNER RING CIRCA 1920	JEWELRY	N/A	B-B9765
I-2345	GLASS ROOSTER - PRE CIVIL WAR, 18" GREEN, YELLOW AND RED	ANIMAL FIGURINES	$70.00	B-B8080
I-3456	ROLLER SKATES, 1928 - GOOD CONDITION, AUTHENTICATED.	ANTIQUE SPORTING EQUIPMENT	N/A	B-B7777
I-4567	TURN OF THE CENTURY PIE HUTCH - BEEN IN ONE FAMILY FOR 100 YEARS!! MUST SELL	ANTIQUE FURNISHINGS	$140.00	B-B9862
I-5678	KARAOKE MACHINE PLUS TAPES, SHEET MUSIC - 80'S ROCK, EASY LISTENING FAVORITES	MUSICAL DEVICES	N/A	B-B2222

FIG. 5

DOCKET ES9E2560

600

602

BEHAVIOR IDENTIFIER 604	RULE IDENTIFIER 606	BEHAVIOR 608	RULE DESCRIPTION 610
B-B1234	R-111	CONSISTENT, WITH AVERAGE FREQUENCY EVERY 2-5 MINUTES	PLACE BID TWO MINUTES AFTER PREVIOUS WINNING BID IS RECEIVED
B-B3456	R-222	CONSISTENT, WITH AVERAGE FREQUENCY EVERY 2-5 MINUTES	PLACE BID 3 MINUTES AFTER PREVIOUS WINNING BID IS RECEIVED
B-B8888	R-333	INCREASE FREQUENCY AS AUCTION BECOMES COMPETITIVE	IF AVERAGE BIDDING SPEED INCREASES BY 15%, INCREASE BID PLACEMENT SPEED BY 10%
B-B9765	R-444	CONSISTENT, WITH FREQUENCY EVERY 20-50 MINUTES	PLACE BID 45 MINUTES AFTER PREVIOUS WINNING BID IS RECEIVED
B-B8080	R-555	DELAY OF AT LEAST FIVE MINUTES AFTER EVERY 1-3 BIDS	PLACE BID FIVE MINUTES AFTER EVERY THREE BIDS ARE RECEIVED

FIG. 6

700

BIDDER IDENTIFIER 704	ITEM IDENTIFIER 706	RULE IDENTIFIER 708	BID CEILING 710
58675	I-1234	R-444	$70.00
58675	I-3339	R-777	$48.00
98245	I-4848	R-999	$54.00
48652	I-5678	R-898	$150.00

702

FIG. 7

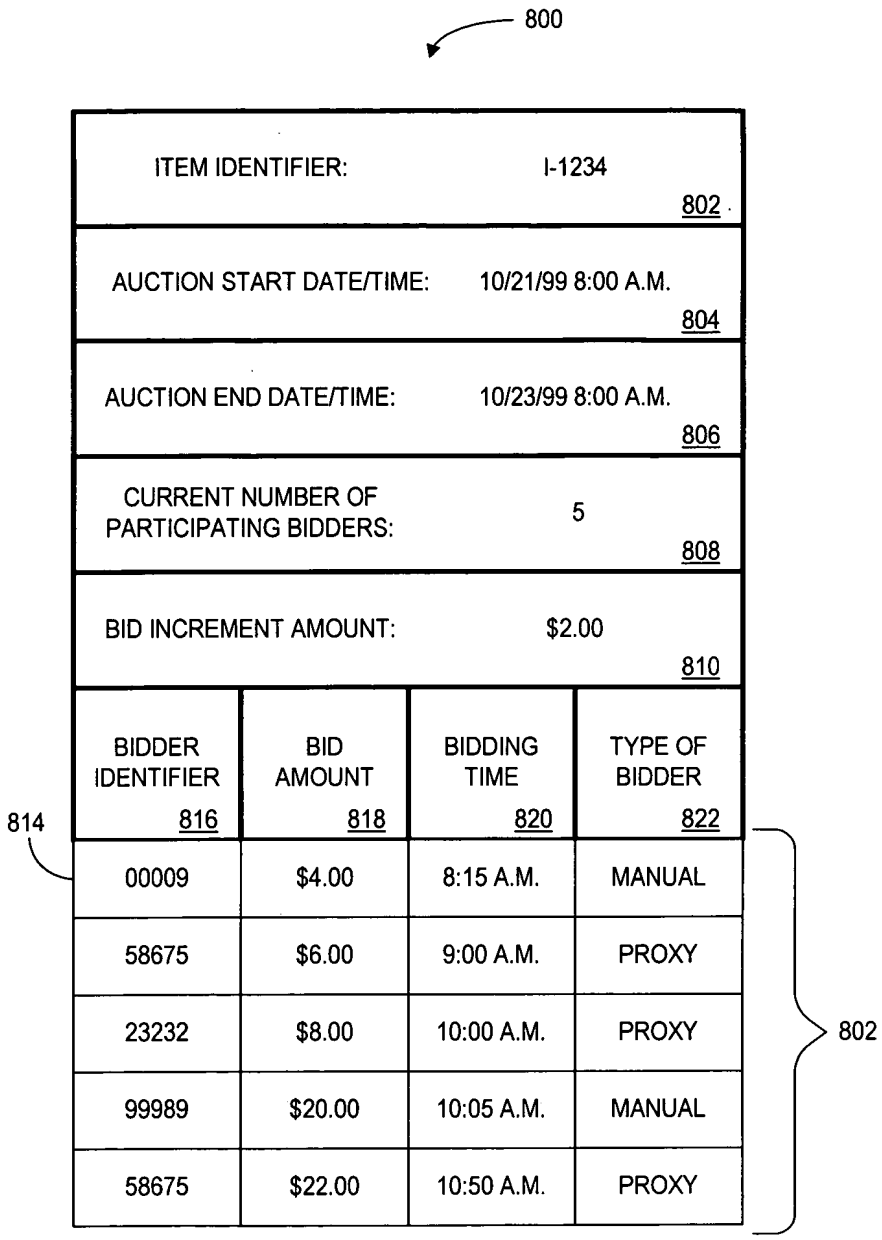

800
ITEM IDENTIFIER: I-1234
802
AUCTION START DATE/TIME: 10/21/99 8:00 A.M.
804
AUCTION END DATE/TIME: 10/23/99 8:00 A.M.
806
CURRENT NUMBER OF PARTICIPATING BIDDERS: 5
808
BID INCREMENT AMOUNT: $2.00
810
BIDDER IDENTIFIER 816
BID AMOUNT 818
BIDDING TIME 820
TYPE OF BIDDER 822
814
00009 $4.00 8:15 A.M. MANUAL
58675 $6.00 9:00 A.M. PROXY
23232 $8.00 10:00 A.M. PROXY
99989 $20.00 10:05 A.M. MANUAL
58675 $22.00 10:50 A.M. PROXY
802

FIG. 8

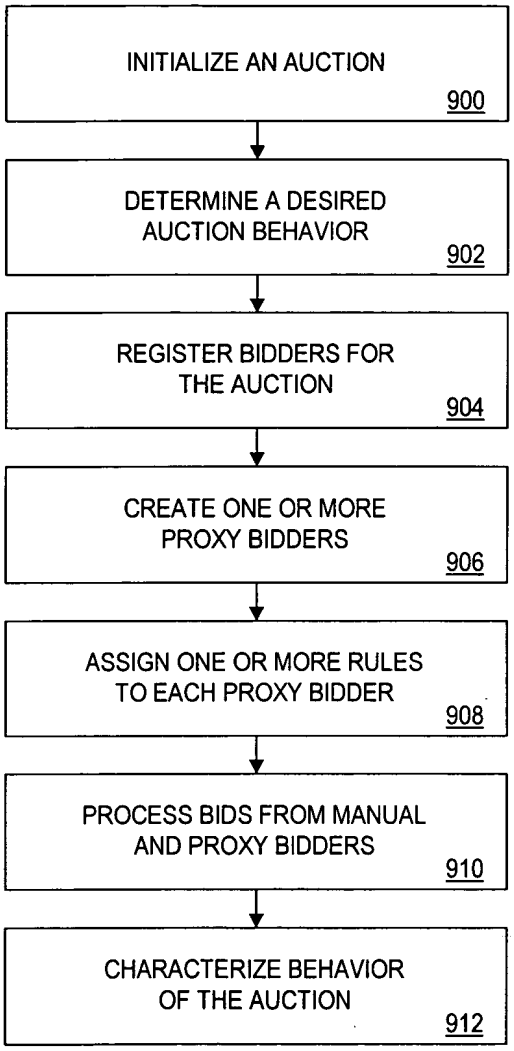

INITIALIZE AN AUCTION
900
DETERMINE A DESIRED AUCTION BEHAVIOR
902
REGISTER BIDDERS FOR THE AUCTION
904
CREATE ONE OR MORE PROXY BIDDERS
906
ASSIGN ONE OR MORE RULES TO EACH PROXY BIDDER
908
PROCESS BIDS FROM MANUAL AND PROXY BIDDERS
910
CHARACTERIZE BEHAVIOR OF THE AUCTION
912

FIG. 9

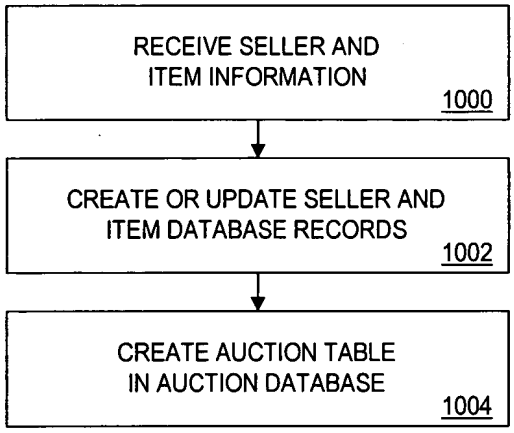

RECEIVE SELLER AND ITEM INFORMATION
1000
CREATE OR UPDATE SELLER AND ITEM DATABASE RECORDS
1002
CREATE AUCTION TABLE IN AUCTION DATABASE
1004

FIG. 10

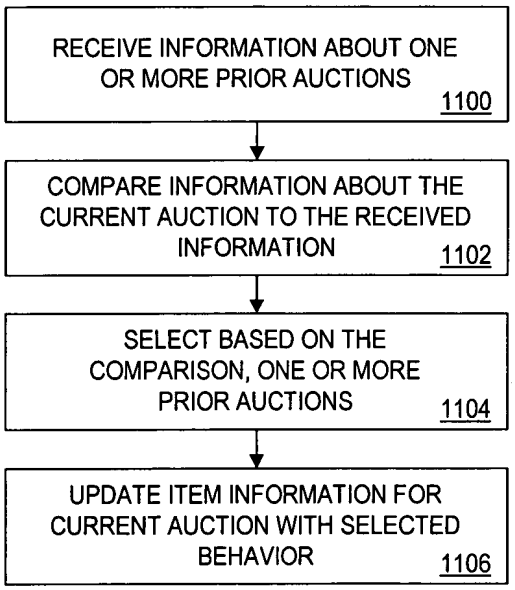

RECEIVE INFORMATION ABOUT ONE OR MORE PRIOR AUCTIONS
1100
COMPARE INFORMATION ABOUT THE CURRENT AUCTION TO THE RECEIVED INFORMATION
1102
SELECT BASED ON THE COMPARISON, ONE OR MORE PRIOR AUCTIONS
1104
UPDATE ITEM INFORMATION FOR CURRENT AUCTION WITH SELECTED BEHAVIOR
1106

FIG. 11

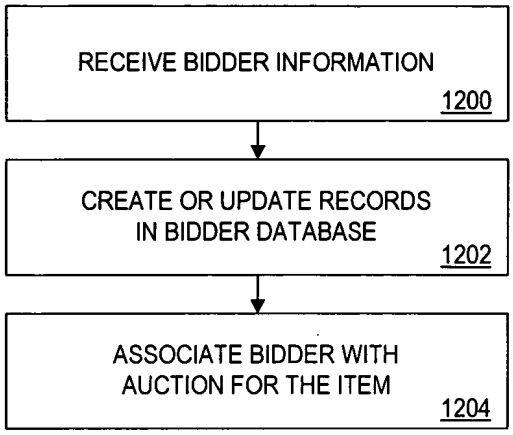

RECEIVE BIDDER INFORMATION
1200
CREATE OR UPDATE RECORDS IN BIDDER DATABASE
1202
ASSOCIATE BIDDER WITH AUCTION FOR THE ITEM
1204

FIG. 12

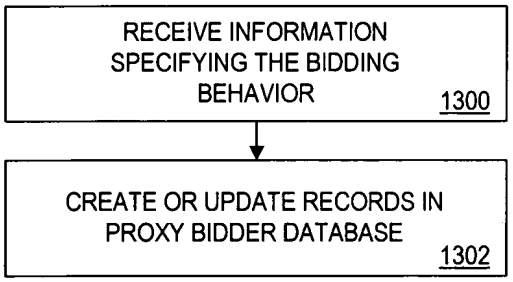

RECEIVE INFORMATION SPECIFYING THE BIDDING BEHAVIOR
1300
CREATE OR UPDATE RECORDS IN PROXY BIDDER DATABASE
1302

FIG. 13

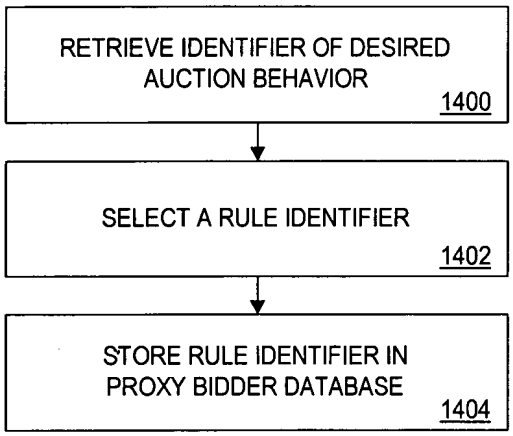

RETRIEVE IDENTIFIER OF DESIRED AUCTION BEHAVIOR
1400
SELECT A RULE IDENTIFIER
1402
STORE RULE IDENTIFIER IN PROXY BIDDER DATABASE
1404

FIG. 14

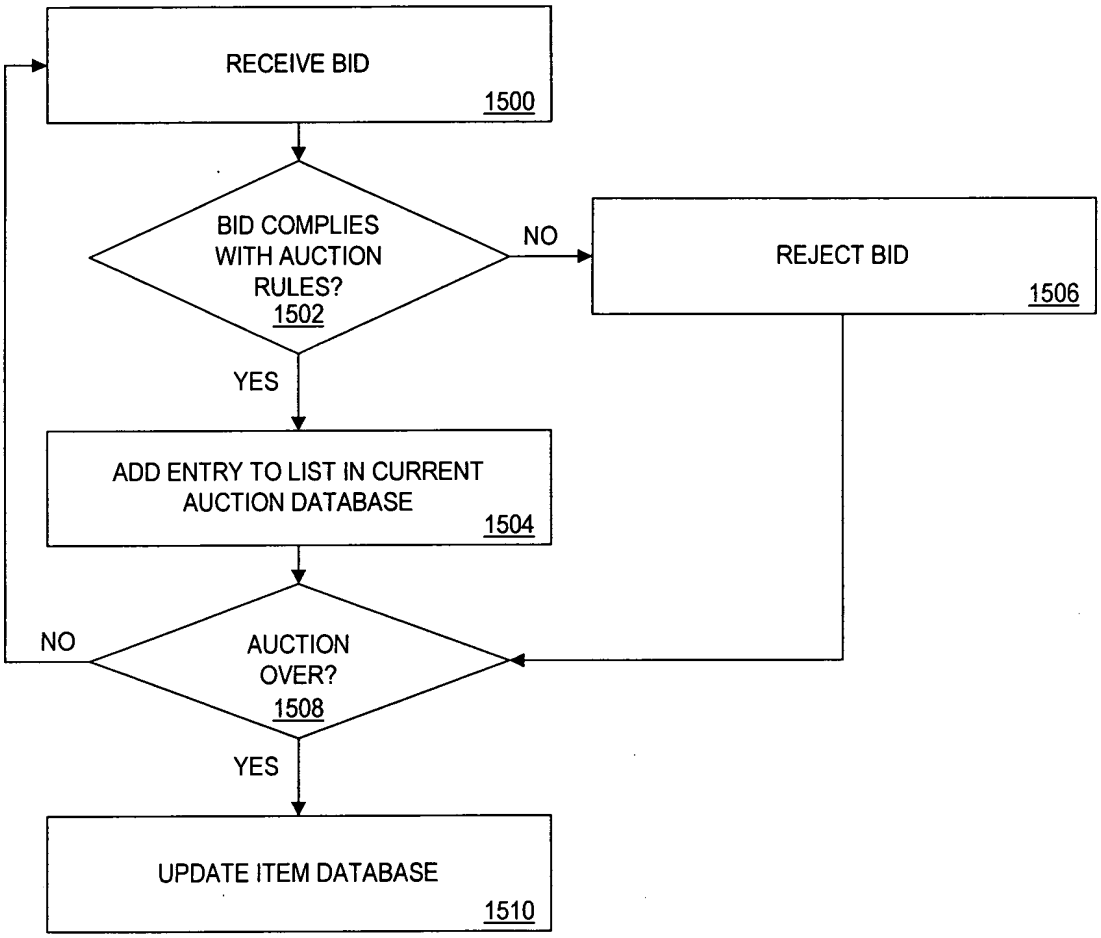

RECEIVE BID
1500
BID COMPLIES WITH AUCTION RULES?
1502
NO
REJECT BID
1506
YES
ADD ENTRY TO LIST IN CURRENT AUCTION DATABASE
1504
NO
AUCTION OVER?
1508
YES
UPDATE ITEM DATABASE
1510

FIG. 15

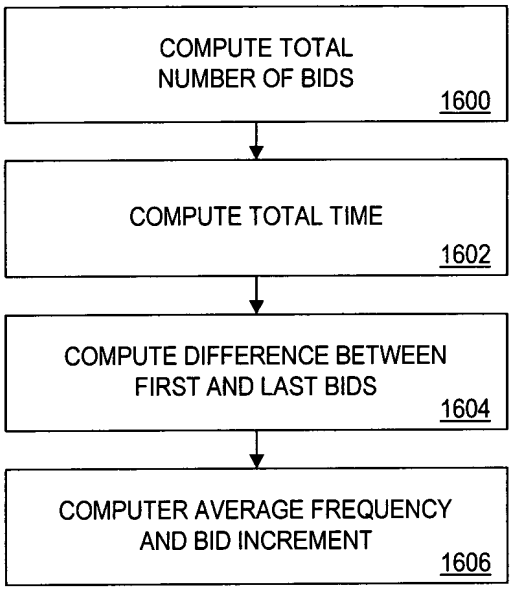

COMPUTE TOTAL NUMBER OF BIDS
1600
COMPUTE TOTAL TIME
1602
COMPUTE DIFFERENCE BETWEEN FIRST AND LAST BIDS
1604
COMPUTER AVERAGE FREQUENCY AND BID INCREMENT
1606

FIG. 16

0001320550.0

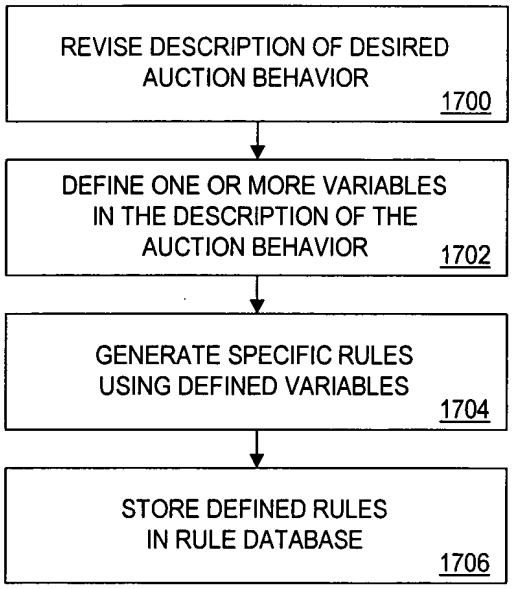


FIG. 17

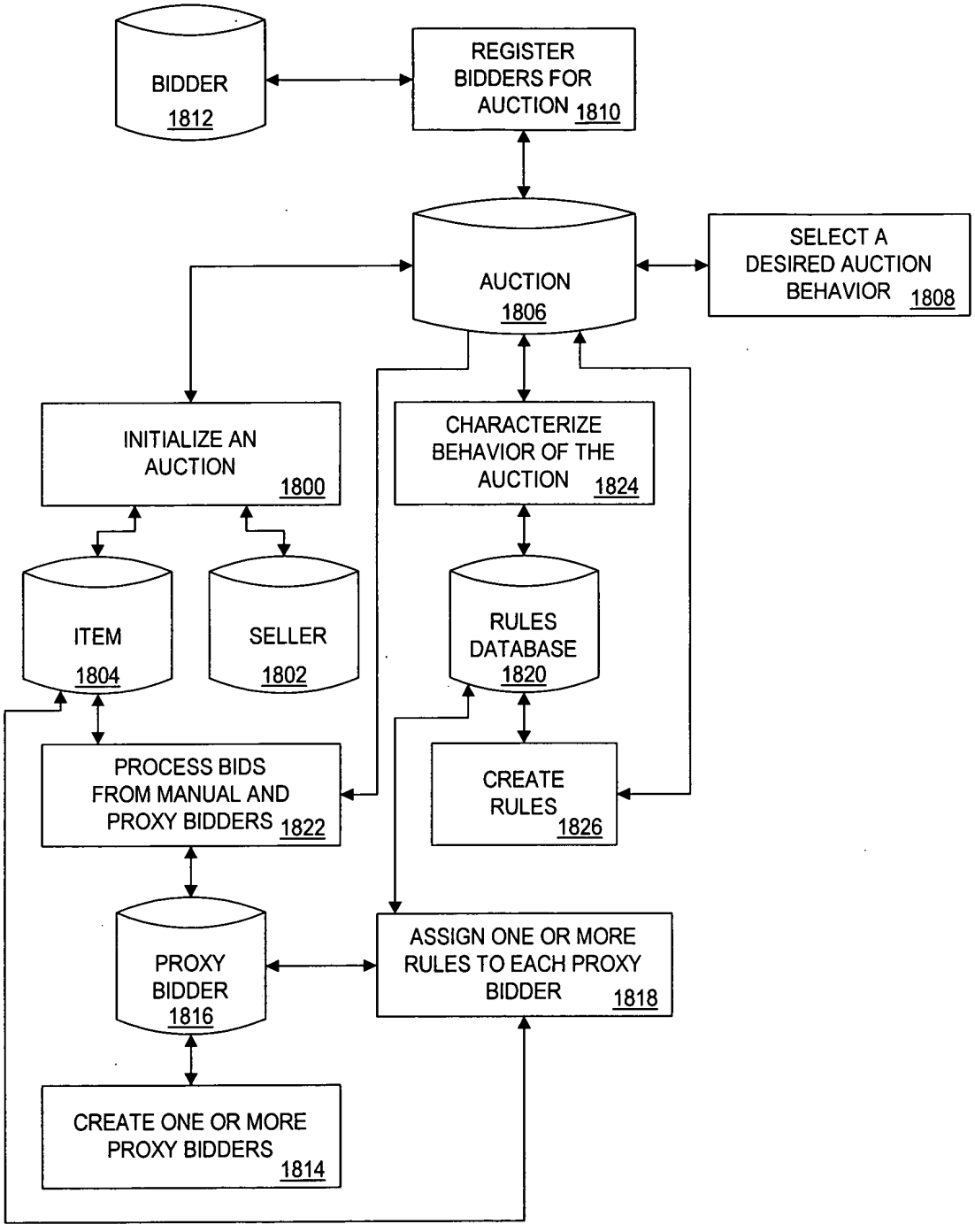

BIDDER
1812
REGISTER BIDDERS FOR AUCTION 1810
AUCTION
1806
SELECT A DESIRED AUCTION BEHAVIOR 1808
INITIALIZE AN AUCTION
1800
CHARACTERIZE BEHAVIOR OF THE AUCTION 1824
ITEM
1804
SELLER
1802
RULES DATABASE
1820
PROCESS BIDS FROM MANUAL AND PROXY BIDDERS 1822
CREATE RULES
1826
PROXY BIDDER
1816
ASSIGN ONE OR MORE RULES TO EACH PROXY BIDDER 1818
CREATE ONE OR MORE PROXY BIDDERS
1814

FIG. 18